

Appl. No. 10/792,198  
Docket No.: H1799-00208  
Reply to Office Action of September 22, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled)
2. (Currently Amended) The component of claim 6[[1]], and further comprising: fins on the hollow fluid transport sections.
3. (Currently Amended) The component of claim 6[[1]], and further comprising: a further flexible hollow fluid transport section connecting the component in a heat pipe assembly.
4. (Currently Amended) The component of claim 6[[1]], and further comprising: a liquid line extending through the hollow fluid transport sections and through the bendable fluid transport sections.
5. (Currently Amended) The component of claim 6[[1]], and further comprising: an exterior side of the hollow and bendable fluid transport sections dissipating latent heat of vapor phase fluid being transported.

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6. (Currently Amended) ~~The component of claim 1,~~ A component of a heat pipe assembly comprising:

hollow fluid transport sections communicating with hollow bendable fluid transport sections;

the bendable fluid transport sections being bendable to stack the rigid sections in a compact volume;

and further comprising~~[[:]]~~ a sub-cooler having an external condensate line section, and an external vapor line section, the external vapor line section communicating with a vapor line in the hollow fluid transport sections and in the bendable fluid transport sections.

7. (Currently Amended) ~~The component of claim 1,~~ A component of a heat pipe assembly comprising:

hollow fluid transport sections communicating with hollow bendable fluid transport sections;

the bendable fluid transport sections being bendable to stack the rigid sections in a compact volume;

and further comprising~~[[:]]~~ a further bendable hollow fluid transport section connecting the component in a heat pipe assembly.

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8. (Currently Amended) The component of claim 6[[1]], and further comprising: an evaporator of a heat pipe assembly, the hollow fluid transport sections having a shape conforming to the exterior of the evaporator.

9. (Currently Amended) The component of claim 6[[1]], and further comprising: an evaporator of a heat pipe assembly; and a fin on each of the hollow fluid transport sections having a shape conforming to the shape of the exterior of the evaporator.

10. (Currently Amended) ~~The component of claim 1,~~ A component of a heat pipe assembly comprising:

hollow fluid transport sections communicating with hollow bendable fluid transport sections;

the bendable fluid transport sections being bendable to stack the rigid sections in a compact volume;

and further comprising[[:]] one of the hollow fluid transport sections having an external fin and providing a sub-cooler for condensate, and an external vapor line connected to a vapor collection manifold of a heat pipe assembly; the vapor line by-passing the sub-cooler and being connected to a bendable hollow fluid transport section that is, in turn, connected between the sub-cooler and an adjacent hollow fluid transport section.

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11. (Currently Amended) ~~The component of claim 1,~~ A component of a heat pipe assembly comprising:

hollow fluid transport sections communicating with hollow bendable fluid transport sections;

the bendable fluid transport sections being bendable to stack the rigid sections in a compact volume;

and further comprising[[:]] a coupling tee having a liquid line section between the fluid transport sections and a reservoir of a heat pipe assembly, and the coupling tee having a vapor line section between the fluid transport sections and an evaporator of a heat pipe assembly.

12. (Currently Amended) The component of claim 6[[1]], and further comprising: the component being a condenser of a heat pipe assembly.

13. (Currently Amended) ~~The component of claim 1,~~ A component of a heat pipe assembly comprising:

hollow fluid transport sections communicating with hollow bendable fluid transport sections;

the bendable fluid transport sections being bendable to stack the rigid sections in a compact volume;

and further comprising: the component being a sub-cooler of a heat pipe assembly.

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14. (Cancelled)

15. (Currently Amended) The heat pipe assembly of claim 18 [[14]], and further comprising: fins on the hollow fluid transport sections.

16. (Currently Amended) The heat pipe assembly of claim 18 [[14]], and further comprising: a liquid line extending through the hollow fluid transport sections and through the bendable fluid transport sections.

17. (Currently Amended) The heat pipe assembly of claim 18 [[14]], and further comprising: an exterior side of each of the hollow and bendable fluid transport sections dissipating latent heat of vapor phase fluid.

18. (Cancelled) ~~The heat pipe assembly of claim 14,~~ A heat pipe assembly comprising:  
a hollow envelope having an evaporator and a condenser  
containing a quantity of working fluid;  
the condenser having hollow fluid transport sections communicating  
with hollow bendable fluid transport sections; the bendable fluid transport  
sections being bendable to stack the rigid sections in a compact volume;

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and further comprising[[:]] a sub-cooler having an external condensate line section, and an external vapor line section, the external vapor line section communicating with a vapor line in the hollow fluid transport sections and in the bendable fluid transport sections.

19. (Currently Amended) The heat pipe assembly of claim 18 [[14]], and further comprising: the hollow fluid transport sections having a shape conforming to the exterior of the evaporator.